

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 04/17/2017 12:53 PM
Cytometer Baseline: 01/30/2017 11:23 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124881	-1	2.06	124707	2.05
Blue	F	SSC	125000	122705	-2	3.51	122883	3.36
Blue	E	FITC	21625	21016	-3	2.57	936	10.28
Blue	D	PE	26832	26501	-2	2.18	949	9.93
Blue	B	PerCP-Cy5-5	48027	46565	-4	3.54	1345	16.78
Blue	A	PE-Cy7	40971	40083	-3	5.36	630	34.88
Red	C	APC	49746	49027	-2	2.94	2814	9.44
Red	A	APC-Cy7	53615	52791	-2	2.97	1116	10.98
Violet	B	V450	14488	13694	-6	6.00	654	10.19
Violet	A	V500	55123	53511	-3	5.85	2377	7.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17147	8.70	604	6	N/A	N/A	Pass
Blue	F	SSC	60570	1.57	535	1	N/A	N/A	Pass
Blue	E	FITC	104	37.53	535	-1	0.0204	73	Pass
Blue	D	PE	206	28.51	532	1	0.1505	190	Pass
Blue	B	PerCP-Cy5-5	209	44.10	627	-2	0.0102	70	Pass
Blue	A	PE-Cy7	68	116.90	678	-3	0.0121	15	Pass
Red	C	APC	329	27.38	588	-6	0.0208	66	Pass
Red	A	APC-Cy7	122	40.18	572	-8	0.0059	1972	Pass
Violet	B	V450	79	41.93	472	1	0.0425	1583	Pass
Violet	A	V500	171	23.56	499	3	0.0163	790	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.50	-30.89	0.80
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.35	13.27 - 19.91	N/A	N/A	31.02	31.49	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9635

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments